

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

**PRELIMINARY AMENDMENT**

Docket Number: **960/81**

Application Number  
**08/897,933**

Filing Date  
**July 21, 1997**

Examiner

Art Unit

Invention Title  
**AN APPARATUS FOR DETECTING A CRANK ANGLE  
IN A COMBUSTION ENGINE**

Inventor(s)  
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Edward W. Greason

SIR:

Please amend the above-referenced patent application as follows:

**In the Specification:**

5' page 1, lines 1 and 2, change the title to --METHOD AND APPARATUS FOR  
DETECTING A CRANK ANGLE IN AN ENGINE--;

page 1, line 11, after "apparatus" insert --and method--;

page 11, line 7, delete ", as shown in Fig. 5";

page 14, line 2, change "144a" to --114a--;

page 14, line 24, change "DC1" to --CD1--;

page 16, line 11, delete "enables the following advantages to be obtained" and  
replace it with --has further benefits--;

page 18, lines 15 and 16, delete ", as shown in Fig. 8 and Fig. 9";

page 18, line 33, change "Fig. 9 and Fig. 10" to -- Fig. 8--;

page 19, line 20, after "CA" insert --from the start--;

page 20, line 5, change "215" to --213--;

page 21, line 26, change "Fig. 51" to --Fig. 8--;

page 22, line 20, delete ", as shown in Fig. 5"; and

page 26, lines 2 and 3, delete ", as shown in Fig. 9"; and